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Attorney's Docket No. RAL9-99-0110/4269-83

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Hwang, et al.  
Serial No.: 09/430,501  
Filed: October 29, 1999  
For: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR CARRIER DROP DETECTION USING A VARIABLE THRESHOLD

Confirmation No.: 7395  
Group Art Unit: 2631  
Examiner: Pankaj Kumar  
Date: October 25, 2002

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

## AMENDMENT

Sir:

Applicants provide the present Amendment to address the issues raised in the Official Action mailed June 27, 2002. A request for a one-month extension of time to respond is provided herewith. A version of the claims showing the changes made is attached hereto and entitled "VERSION WITH MARKINGS SHOWING CHANGES."

In the Claims:

Please amend Claim 2 to recite as follows:

2. (Amended) A method according to Claim 1 wherein the modem uses a V.8 standard during startup and the step of updating comprises the step of updating the carrier drop detection threshold responsive to a selected data pattern in the signal data corresponding to at least one of a call menu (CM) signal and a joint menu (JM) signal.

Please amend Claim 3 to recite as follows:

3. (Amended) A method according to Claim 1 wherein the updating step further comprises the steps of:

setting a flag to indicate receipt of at least one of a valid call menu (CM) signal and a valid joint menu (JM) signal;

latching an output of a signal strength detector responsive to setting of the flag, the signal strength detector being coupled to the received signal and the output of the signal strength detector corresponding to a signal strength level of the received signal; and

setting the carrier drop detection threshold to a value a predetermined amount below the latched output of the signal strength detector responsive to setting of the flag.

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